

(d) selecting at least one undesired outcome for de-synthesis, said at least one selected undesired outcome having a second associated work flow comprising a network of interdependent activities; and

(e) de-synthesizing said second associated work flow from the project WBS and related work flows being generated by:

(e₁) identifying the most downstream activity in said second associated work flow;

(e₂) determining whether each activity in said second associated work flow is also part of the work flows associated with desired outcomes which are already present in the project WBS and related work flows being generated by starting with the most downstream activity in said second associated work flow and working upstream until all activities in said second associated work flow have been evaluated;

(e₃) removing any activity and activity dependency which are not needed as part of the work flows associated with the remaining desired outcomes for the project WBS and related work flows being generated; and

(e₄) removing summary activities, as appropriate, from the project WBS being generated as lowest-level activities from said second associated work flow are being removed.

3. (Amended) A process for generating a project work breakdown structure (WBS) and related work flows representing the minimal work to produce at least one desired outcome, said process comprising the steps of:

(a) viewing a set of available WBS templates;

(b) viewing a set of outcomes within and outside the scope of each WBS template from said set of available WBS templates;

(c) selecting a controlling WBS template from said set of available WBS templates for a project WBS;

(d) selecting at least one desired outcome from said set of outcomes for synthesis, said at least one selected desired outcome having a first associated work flow;

(e) synthesizing said first associated work flow with the project WBS according to said selected controlling WBS template;

(f) viewing the project WBS and related work flows being generated; and

(g) linking each activity of the project WBS being generated with appropriate instructional content.

4. (Amended) A system for generating a project work breakdown structure (WBS) and related work flows comprising:

(a) means for accepting as input an existing project WBS and at least one desired outcome, said existing project WBS having related work flows;

(b) means for storing said existing project WBS and related work flows;

(c) means for storing a set of activities associated with a set of pre-defined WBS templates;

(d) means for identifying lowest level activities and their interdependencies from said stored set of activities necessary to produce said at least one desired outcome, said identified lowest level activities and interdependencies defining an associated work flow; and

(e) means for synthesizing said associated work flow and appropriate summary activities with said existing project WBS and its related work flows.

5. (Amended) The system of claim 4, further comprising means for linking instructional content with each activity.

6. (Amended) The system of claim 5, further comprising means for viewing outcomes of a generated project WBS and related work flows.

Please add new claims 10-16 as follows:

10. The process of claim 3, further comprising the step of selecting at least one undesired outcome from said set of outcomes for de-synthesis after step (f), said at least one selected undesired outcome having a second associated work flow.

11. The process of claim 10, further comprising the step of de-synthesizing said second associated work flow from the project WBS and related work flows being generated by referencing said selected controlling WBS template.

12. A process for generating a project work breakdown structure (WBS) and related work flows, comprising the steps of:

(a) selecting a controlling WBS template for a project WBS;
(b) selecting at least one desired outcome for synthesis, said at least one selected desired outcome having a first associated work flow comprising a network of interdependent activities; and

(c) synthesizing said first associated work flow with the project WBS and related work flows being generated according to said selected controlling WBS template by:

(c₁) identifying the most downstream activity in said first associated work flow;

(c₂) determining whether each activity in said first associated work flow is already present in the project WBS and related work flows being generated by starting with the most downstream activity in said first associated work flow and working upstream until all activities in said first associated work flow have been compared to the activities of the project WBS and related work flows being generated;

(c₃) adding any activity in said first associated work flow which is not already present in the project WBS and related work flows being generated;

(c₄) adding any activity dependency which should exist between any of said added activities and any activity already present in the project WBS and related work flows being generated; and

(c₅) introducing summary activities, as appropriate, into the project WBS being generated when lowest-level activities from said first associated work flow are added.

13. The process of claim 12, further comprising the steps of:

(d) selecting at least one undesired outcome for de-synthesis, said at least one selected undesired outcome having a second associated work flow comprising a network of interdependent activities; and

(e) de-synthesizing said second associated work flow from the project WBS and related work flows being generated by:

- (e₁) identifying the most downstream activity in said second associated work flow;
- (e₂) determining whether each activity in said second associated work flow is also part of the work flows associated with desired outcomes which are already present in the project WBS and related work flows being generated by starting with the most downstream activity in said second associated work flow and working upstream until all activities in said second associated work flow have been evaluated;
- (e₃) removing any activity and activity dependency which are not needed as part of the work flows associated with the remaining desired outcomes for the project WBS and related work flows being generated; and
- (e₄) removing summary activities, as appropriate, from the project WBS being generated by referencing said selected controlling WBS template as lowest-level activities from said second associated work flow are being removed.

14. A system for generating a project work breakdown structure (WBS) and related work flows comprising:

- (a) means for accepting as input a controlling WBS template for a project WBS and at least one desired outcome;
- (b) means for storing said controlling WBS template;
- (c) means for storing a set of activities associated with a set of pre-defined WBS templates;
- (d) means for identifying lowest level activities and their interdependencies from said stored set of activities necessary to produce said at least one desired outcome, said identified lowest level activities and interdependencies defining an associated work flow; and
- (e) means for synthesizing said associated work flow and appropriate summary activities with the project WBS and related work flows being generated according to said controlling WBS template.

15. The system of claim 14, further comprising means for linking instructional content with each activity.

16. The system of claim 15, further comprising means for viewing outcomes of a generated project WBS and related work flows.

REMARKS

Status of Claims

Claims 1-6 have been amended, as indicated hereinabove. Claims 7-9 have been cancelled. New claims 10-16, inclusive, have been added, as indicated hereinabove, to define the present invention. Therefore, the claims presently under consideration are 1-6, 10-16, inclusive.